

ABSTRACT

A curved side oil or fluid separator element for separating liquid or oil from a gas flow has a body portion made of filter media with opposing upper and lower ends. A curved side extends between the upper and lower ends and rotates 360° about a central axis of the body portion to form a curved surface of the body portion. The curved side of the body portion can be any one of a hyperbolically curved side, a circular arc curved side, an elliptically curved side, or any other curve except a straight line, and any combinations of these curves. In one aspect, the curved side of the body portion is adapted for in-out gas flow allowing the gas flow to exit through the curved side to a communicating outlet of a separator housing. In another aspect, the curved side of the body portion is adapted for out-in gas flow for receiving the gas flow through the curved side from a communicating inlet of the separator housing.

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